

In the Claims:

Claim 1 (currently amended) A thin-walled needle bearing, produced without removal of material, the outer ring of which bearing is produced from a cold-rolled strip, wherein the outer ring is produced from a cold-formable, fully, thoroughly hardenable steel with a hardness profile that decreases only slightly in the direction of the steel core, with a ratio of from 1:20 to 1:5 being set between its wall thickness and the diameter of the bearing needle, and the fully, thoroughly hardened wall having a core hardness \geq 600 HV and a surface hardness of \geq 680 HV.

Claim 2 (previously presented) The rolling bearing of claim 1, wherein the core hardness is from 600-650 HV and the surface hardness is from 680-750 HV.

Claim 3 (previously presented) The rolling bearing of claim 1, wherein a heat-treatment steel of the outer ring with the following chemical composition is used:

0.37 – 0.50 % C up to 0.50 % Cr
up to 0.40 % Si up to 0.40 % Ni
0.50 – 0.80 % Mn up to 0.10 % Mo
up to 0.020 % P up to 0.20 % Cu
up to 0.020 % S

Claim 4 (currently amended) A universal joint bush for receiving a bearing pin which is mounted in a rolling bearing form and is formed from a cold strip as a thin-walled needle bearing bush which is produced without the removal of material and a closed base of

which is used for a universal joint pin to bear against at the end side, wherein it is produced from a cold-formable, fully, thoroughly hardenable steel, and wherein the fully, thoroughly hardened wall has a core hardness of \geq 600 HV and a surface hardness of \geq 680 HV.

Claim 5 (previously presented) The universal joint bush of claim 4, wherein the core hardness is from 600 – 650 HV and the surface hardness is from 680 – 750 HV.

Claim 6 (currently amended) The universal joint bush of claim 4, wherein fully, thoroughly hardened steel with a hardness profile that decreases only slightly in the direction of the steel core with the following chemical composition is used:

0.37 – 0.50 % C up to 0.50 % Cr

up to 0.40 % Si up to 0.40 % Ni

0.50 – 0.80 % Mn up to 0.10 % Mo

up to 0.020 % P up to 0.20 % Cu

up to 0.020 % S